A Publication of the National Wildfire Coordinating Group

NATIONAL INTERAGENCY INCIDENT MANAGEMENT SYSTEM

Sponsored by United States Department of Agriculture TASK BOOK FOR THE POSITION OF

United States Department of the Interior

FIRE BEHAVIOR ANALYST (FBAN)

National Association of State Foresters

(WILDFIRE ASSIGNMENT REQUIRED)



PMS 311-29 NFES 2339

TASK BOOK ASSIGNED TO:

INDIVIDUAL'S NAME, DUTY STATION, AND PHONE NUMBER

TASK BOOK INITIATED BY:

OFFICIAL'S NAME, TITLE, DUTY STATION, AND PHONE NUMBER

LOCATION AND DATE THAT TASK BOOK WAS INITIATED

The material contained in this book accurately defines the performance expected of the position for which it was developed. This task book is approved for use as a position qualification document in accordance with the instructions contained herein.

has met all requirements for qualification in this position and that such qualification has been issued. I verify that all tasks have been performed and are complete with signatures. I also verify that has performed as a trainee and should therefore be considered for certification in this position. EVALUATOR'S PRINTED NAME, TITLE, DUTY STATION, AND PHONE NUMBER CERTIFYING OFFICIAL'S NAME, TITLE, DUTY STATION, AND PHONE NUMBER VERIFICATION / CERTIFICATION OF COMPLETED TASK BOOK CERTIFYING OFFICIAL'S SIGNATURE AND DATE FINAL EVALUATOR'S VERIFICATION **EVALUATOR'S SIGNATURE AND DATE** FOR THE POSITION OF AGENCY CERTIFICATION I certify that

Additional copies of this publication may be ordered from:

National Interagency Fire Center, ATTN: Supply 3833 S. Development Avenue Boise, Idaho 83705-5354

NATIONAL WILDFIRE COORDINATING GROUP POSITION TASK BOOK

Position Task Books (PTB) have been developed for designated positions within the National Interagency Incident Management System. Each PTB lists the performance requirements (tasks) for the specific position in a format that allows a trainee to be evaluated against written guidelines. Successful performance of all tasks, as observed and recorded by an evaluator, will result in a recommendation to the agency that the trainee be certified in that position.

Evaluation and confirmation of the individual's performance of all the tasks may involve more than one evaluator and can occur on incidents, in classroom simulation, and in other work situations. Designated PTBs require position performance during which the majority of required tasks are demonstrated on a single incident. Some positions also required that specific tasks be performed on a wildland fire—performance of these tasks on other types of incidents are NOT qualifying. It is important that performance be critically evaluated and accurately recorded by each evaluator. All tasks must be evaluated. All bullet statements within a task which require an action (contain an action verb) must be demonstrated before that task can be signed off.

A more detailed description of this process, definitions of terms, and responsibilities are included in the Wildland Fire Qualification Subsystem Guide 310-1. A brief list of responsibilities also appears below.

RESPONSIBILITIES:

- 1. The **Local Office** is responsible for:
 - Selecting trainees based on the needs of the local office and the geographic area.
 - Ensuring that the trainee meets the training and experience requirements included in the Wildland Fire Qualification Subsystem Guide 310-1.
 - Issuing PTBs to document task performance.
 - Explaining to the trainee the purpose and processes of the PTB as well as the trainee's responsibilities.
 - Providing opportunities for evaluation and/or making the trainee available for evaluation.
 - Providing an evaluator for local assignments.
 - Tracking progress of the trainee.
 - Confirming PTB completion.
 - Determining certification per local policy.
 - Issuing proof of certification.
- 2. The **individual** is responsible for:
 - Reviewing and understanding instructions in the PTB.
 - Identifying desired objectives/goals.

- Providing background information to an evaluator.
- Satisfactorily demonstrating completion of all tasks for an assigned position within three years.
- Assuring the Evaluation Record is complete.
- Notifying local office personnel when the PTB is completed and providing a copy.
- Keeping the original PTB in personal records.

3. The **Evaluator** is responsible for:

- Being qualified and proficient in the position being evaluated.
- Meeting with the trainee and determining past experience, current qualifications, and desired objectives/goals.
- Reviewing tasks with the trainee.
- Explaining to the trainee the evaluation procedures that will be utilized and which objectives may be attained.
- Identifying tasks to be performed during the evaluation period.
- Accurately evaluating and recording demonstrated performance of tasks. Satisfactory performance shall be documented by dating and initialing completion of the task. Unsatisfactory performance shall be documented in the Evaluation Record.
- Completing the Evaluation Record found at the end of each PTB.
- Signing the verification statement inside the front cover of the PTB when all tasks have been initialed.

4. The **Training Specialist** is responsible for:

- Identifying incident evaluation opportunities.
- Identifying and assigning an evaluator that can provide a positive experience for the trainee, and make an accurate and honest appraisal of the trainee's performance.
- Providing PTBs to approved trainees on the incident when local agency was unable to provide them.
- Documenting the assignment.
- Conducting progress reviews.
- Conducting a close-out interview with the trainee and evaluator and assuring that documentation is proper and complete.

QUALIFICATION RECORD

POSITION: FIRE BEHAVIOR ANALYST (FBAN)

TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
<u>GENERAL</u>			
 Obtain and assemble information and materials needed for kit. Kit will be assembled and prepared prior to receiving an assignment. Kit will contain critical items needed for the assignment and items needed for functioning during the first 48 hours. Kit will be easily transportable and within agency weight limitation (per National Mobilization Guide). The basic information and materials needed are: FBAN Field Reference. Belt weather kit. Fire Behavior Processor T1-59, HP-71B. Nomograms and/or tables. Plastic ruler or scale with 1" increments. Protractor. Fire behavior worksheets. Fire behavior forecast forms. Spot weather forecast forms. FBAN schedule of daily activities. Fire characteristics chart. 	O		

O = task can be completed in any situation (classroom, simulation, prescribed fire, daily job, etc.) I = task must be performed on an incident (flood, fire, search & rescue, etc.) *Code:

W = task must be performed on a wildfire incident

POSITION: FIRE BEHAVIOR ANALYST (FBAN)

TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
MOBILIZATION 2. Obtain complete information from dispatch upon initial activation.	I		
 Incident name. Incident order number. Request number. Reporting location. Reporting time. Transportation arrangements/travel routes. Contact procedures during travel (telephone/radio). Request a spot weather forecast. Order meterologist and air transportable modular unit with support if conditions warrant. 			

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TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
 3. Gather information necessary to assess incident assignment and determine immediate needs and actions. Incident Commander's/supervisor's name, location, contact. Current resource commitments. Current situation. Expected duration of assignment. 	I		
INCIDENT ACTIVITIES			
4. Arrive at incident.	I		
 Check in at check-in location according to agency guidelines and within acceptable time limits. Locate assigned location. Arrive properly equipped. 			

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TASK		C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
 Obtain briefing from Site Leader, Planning Section knowledgeable source. Understand location Understand information. Develop common underpriorities, time limited method of communities transportation, meeting with established combehavior products not planning. Solicit information a wind characteristics, moisture, slope, fire activities, areas of sprivate property, stransportable more ordering. Discuss the need for air transportable more ordering. Obtain names of local individuals. 	of assignment. ion expected from aderstanding of a for completion, cation, ngs, coordination tacts and fire eded to support bout fire origin, fuel type, fuel status, suppression ecial concern uctures, rness, etc.). meterologist and dular unit and their	W		

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	TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
 Obtain density Obtain new geography potential 	luring initial operational period Situation Unit Leader. naps of a scale that illustrates hical detail and accommodates incident expansion. phic maps of 1:24,000 scale.	W		
 Order su Situation approved through Brief and Establish Make as Spot che Evaluate Review Develop Resolve Provide when red Identify 	need for subordinates. abordinates, coordinating with and Resource Unit Leaders described by Planning Section Chief, Logistics. described keep subordinates briefed. In work area. Is signments. It is coordinated by Planning Section Chief, Logistics. It is provided to the subordinates briefed. In work area. It is provided to the subordinates briefed. It is provided to the subordinates briefed. It is provided to the subordinates. It is provided to the subordina	I		

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TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
 Organizes work area. Consider key items: Acquire table(s); seating; additional supplies not in kit. Acquire communications equipment: radio, telephones, data communication equipment and operator. Establish filing system: card holders or racks organized by operational period and section. 	I		
9. Obtain transportation.Obtain transportation from the Ground Support Unit Leader.	I		
 Obtain communications. Obtain radio. Maintain appropriate contact with Planning and Operations Sections. 	I		
 11. Weather information. Obtain short- and long-range weather forecasts for strategy and/or alternative control consideration. Review with Fire Weather Meterologist the weather predication used to make fire behavior predictions. 	W		

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TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
 Develop a network of information services available which includes locals, operations personnel, weather meterologist, field observers, and other experts pertinent to the incident. Determine the need for additional sources of information. Coordinate with the Situation and Operations Units for the use of their personnel as field and weather observers and the information needed. Establish a schedule with all the sources for reporting the needed information which includes: Progress of control, hazards, accuracy of fire behavior predictions, weather predictions, etc. 	W		
 13. Compile information. Organize pertinent information in a manner which facilitates effective fire behavior analysis. 	W		

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TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
 Prepare fire behavior predictions Analyze and document existing and current information. Prepare and document fire behavior predictions which include expected fire location by time period, expected flame length and spread rates, spotting potential and maximum distance and probability of crown fire and extreme fire behavior. 	W		

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TASK	C O D E*	EVALUATION RECORD#	EVALUATOR: Initial & date upon completion of task
 15. Interpret fire behavior predictions and explain processor output to facilitate planning: Participate in escaped fire situation analysis (EFSA) development and/or updating of the EFSA. Interact with Planning and Operations Sections on the probabilities of success and effects on incident objectives of planned and proposed fire suppression tactics and strategy using information on predicted and observed fire behavior. Provide fire behavior and weather information to Situation Unit for use in ICS Form 209. Support other personnel (Logistics, Air Operations, etc.) with fire behavior and weather information as needed. Respond to special requests through appropriate channels within timeframe specified by Planning Section Chief; e.g., long-range spread predictions, backfire/burn-out plans, and prescriptions. 	W		

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TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
 Fire behavior forecast. Prepare written fire behavior forecast within the timeframes specified by the Planning Section Chief which includes: weather, general and specific fire behavior by division, fire behavior safety, impacts of fire behavior on air operations, and smoke production. Present fire weather at operational shift briefings. 	W		
 Monitor weather and fire behavior. Compare actual weather and fire behavior with predicted. Adjust fire behavior predictions in operations plan as needed in response to current actual conditions. Immediately notify operations, planning and logistics sections of needed adjustments in fire behavior and weather forecasts which may affect fire fighting safety and alter what's appropriate tactics. Refine fire behavior and weather forecasts as meterologist and FBAN become familiar with local conditions of fuels, weather and typography. 	W		

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TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
 Organize all materials assembled during incident (base maps, overlays, written forecasts, information from sources, etc.) and place in a protective box or folder. Deliver all materials assembled during the incident to the documentation unit. 	W		
 Prief replacement FBAN when possible before leaving the incident about all aspects of the incident history, facilities, established timeframes and schedules, personnel, individuals serving as information forces, etc. Work one operational period with replacement FBAN, if possible. 	W		
20. Complete functions identified in Operations Guide 410-1 NIMS.	I		
 21. <u>Unit Log.</u> Maintain ICS Form 214 (Unit Log) with major activities as required. 	I		

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TASK	C O D E*	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
 DEMOBILIZATION 22. Demobilization and check-out Receive demobilization instructions from work supervisor. Brief subordinates on procedures and responsibilities. Insure that incident and agency demobilization procedures are followed. If required, ICS Form 221 (Demobilization Check-Out) is completed and turned in to appropriate person. 	I		

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INSTRUCTIONS for EVALUATION RECORD

There are four separate blocks allowing evaluations to be made. These evaluations may be made on incidents, by simulation in classroom, or in daily duties, depending on what the position task book indicates. This should be sufficient for qualification in the position if the individual is adequately prepared. If additional blocks are needed, a page can be copied from a blank task book and attached.

Evaluator's name, incident/office title & agency: List the name of the evaluator, his/her incident position (on incidents) or office title, and agency.

Evaluator's home unit address & phone: self explanatory

#: The number in the upper left corner of the experience block identifies a particular experience or group of experiences. This number should be placed in the column labeled "Evaluation Record #" on the Qualification Record in order to indicate the circumstances under which a particular task was performed.

Location of Incident/Simulation: Identify the location where the tasks were performed by agency and office.

Incident Type: Enter type of incident, e.g., wildfire, search and rescue, flood, etc.

Number and Type of Resources: Enter the number of resources and types assigned to the incident pertinent to the trainee's task book position.

Duration: Enter inclusive dates during which the individual was evaluated. This block may indicate a span of time covering several small and similar incidents if the individual has been evaluated on that basis, i.e., several initial attack fires in similar fuel types.

Mgt. Level: Indicate ICS organization level, i.e., Type 4, Type 3, Type 2, Type 1 or Area Command.

NFFL Fuel Model: For wildfire experience, enter number (1-13) of the fuel model in which the incident occurred and under which the individual was evaluated.

- 1. Short Grass (1 foot)
- 2. Timber (grass & understory)
- 3. Tall grass (2 1/2 feet)
- 4. Chaparral (6 feet)
- 5. Brush (2 feet)
- 6. Dormant brush-Hardwood Slash
- 7. Southern Rough

- 8. Closed Timber Litter
- 9. Hardwood Litter
- 10. Timber (litter understory)
- 11. Light Logging Slash
- 12. Medium Logging Slash
- 13. Heavy Logging Slash

Recommendation: Check as appropriate and/or make comments regarding the future needs for development of this trainee.

Date: List the date the record is being completed.

Evaluator's initials: Initial here to authenticate your recommendations and to allow for comparison with initials in the Qualifications Record.

Evaluator's relevant red card rating: List <u>your</u> certification relevant to the trainee position you supervised.

Evaluation Record

	TI	RAINEE NAME	TRAINEE POSITION								
	#1 Evaluator's name, incident/office title & agency:										
Evaluator's home unit address & phone:											
Location of Incident or Simulation (agency & area)		Incident Type (wildfire, search & rescue, etc.)	Number & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)	Mgt. Level (Area Command, Type 1, 2, 3, or 4)	NFFL Fuel Model					
				to							
The tasks initialed & dated by me have been performed under my supervision and in a satisfactory manner by the above named trainee. I recommend the following for further development of this trainee: The individual has successfully performed all tasks for the position and should be considered for certification. The individual was not able to complete certain tasks (comments below) or additional guidance is required. Not all tasks were evaluated on this assignment and an additional assignment is needed to complete the evaluation. The individual is severely deficient in the performance of tasks for the position and must complete all training (both mandatory & suggested) prior to further assignment as a trainee. Recommendations: Date: Evaluator's initials: Evaluator's relevant red card (or agency certification) rating:											
#2 Evaluator's name,											
ıncı		fice title & agency: address & phone:									
Location of Incident or Simulation (agency & area)		Incident Type (wildfire, search & rescue, etc.)	Number & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)	Mgt. Level (Area Command, Type 1, 2, 3, or 4)	NFFL Fuel Model					
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certification) rating:											

Evaluation Record (Continuation Sheet)

	TI	RAINEE NAME	TRAINEE POSITION							
#3	Evaluator's name, incident/office title & agency:									
Evaluator		t address & phone:								
Location of Incident or Simulation (agency & area)		Incident Type (wildfire, search & rescue, etc.)	Number & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)	Mgt. Level (Area Command, Type 1, 2, 3, or 4)	NFFL Fuel Model				
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Date: Evaluator's initials: Evaluator's relevant red card (or agency certification) rating:										
#4		fice title & agency:								
Evaluator	's home unit	address & phone:	i———i		·i					
Location of Incident or Simulation (agency & area)		Incident Type (wildfire, search & rescue, etc.)	Number & Type of Resources Pertinent to Trainee's Position	Duration (inclusive dates in trainee status)	Mgt. Level (Area Command, Type 1, 2, 3, or 4)	NFFL Fuel Model				
				to						
mandator Recomme	recommend The indiv The indiv Not all tas The indiv	the following for further vidual has successfully peridual was not able to consks were evaluated on the vidual is severely deficiently prior to further assign	r development of this train erformed all tasks for the p mplete certain tasks (comn his assignment and an addit nt in the performance of tannent as a trainee.	position and should be consi- ments below) or additional g tional assignment is needed asks for the position and mu	idered for certification guidance is required. It to complete the evaluate complete all training train	on. luation. ing (both				
Date: Evaluator's initials: Evaluator's relevant red card (or agency certification) rating:										